

Michigan State Police Retirement System

Pension Actuarial Valuation Results as of September 30, 2007



Actuarial Valuation Process

Member Data



Plan Provisions



Financial Data



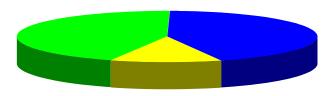
Actuarial Assumptions



Actuarial Cost Method

Actuarial

Valuation

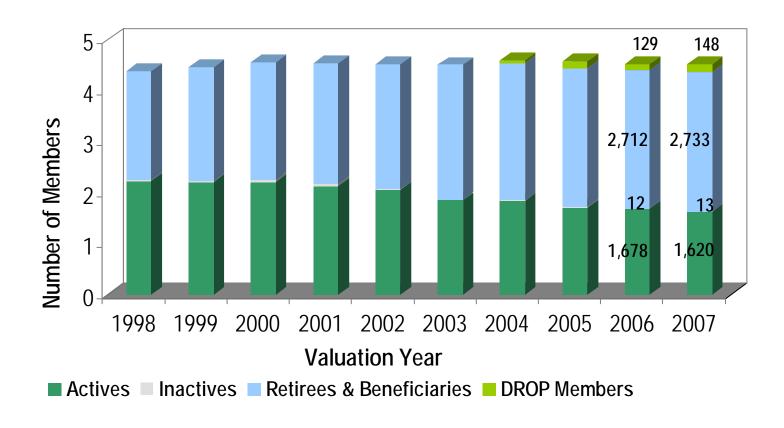






Membership Data

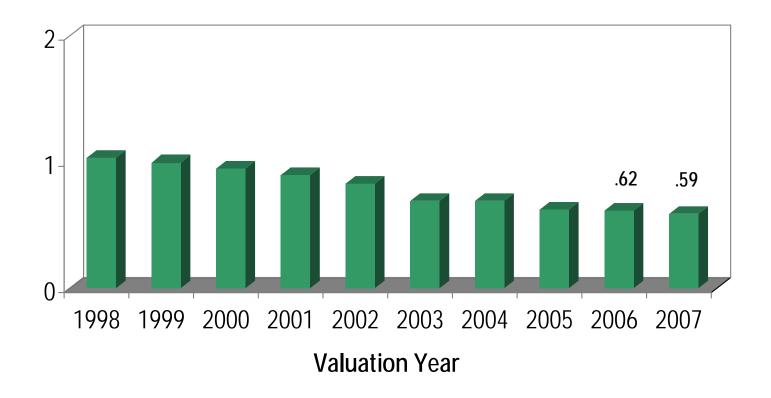
(Counts in Thousands)







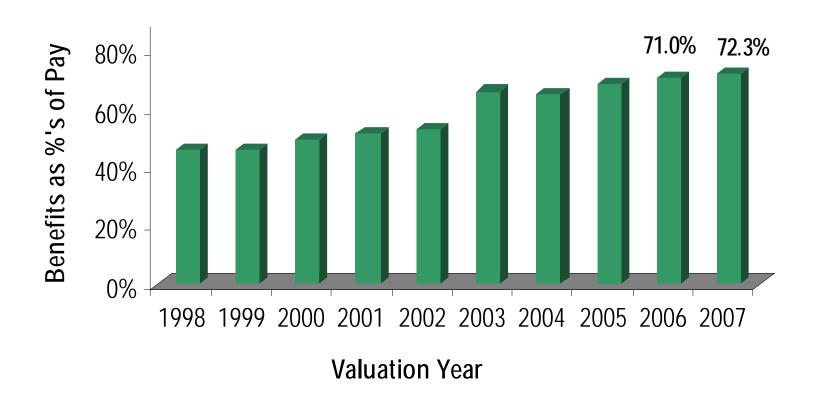
Ratio of Active Members to Pension Benefit Recipients







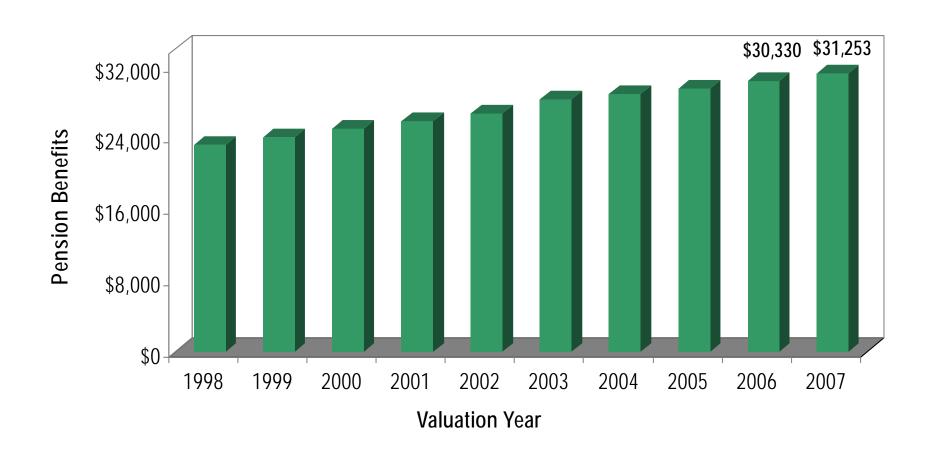
Pension Benefits Expressed as %'s of Active Member Pay







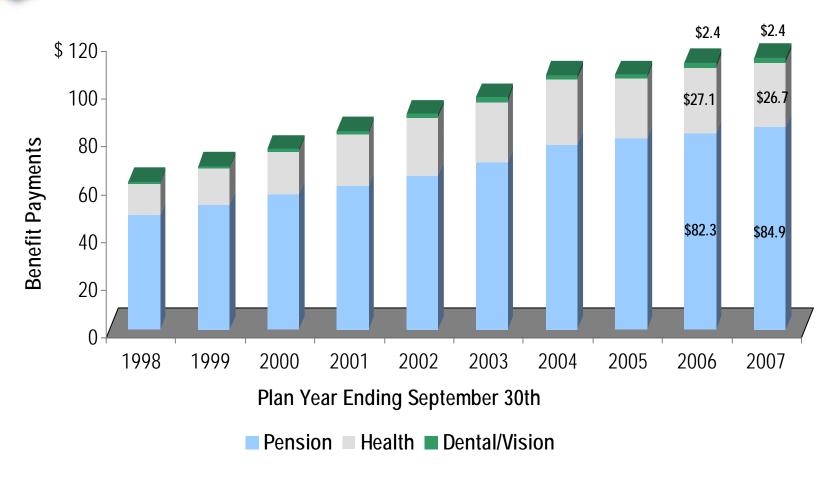
Average Annual Pensions







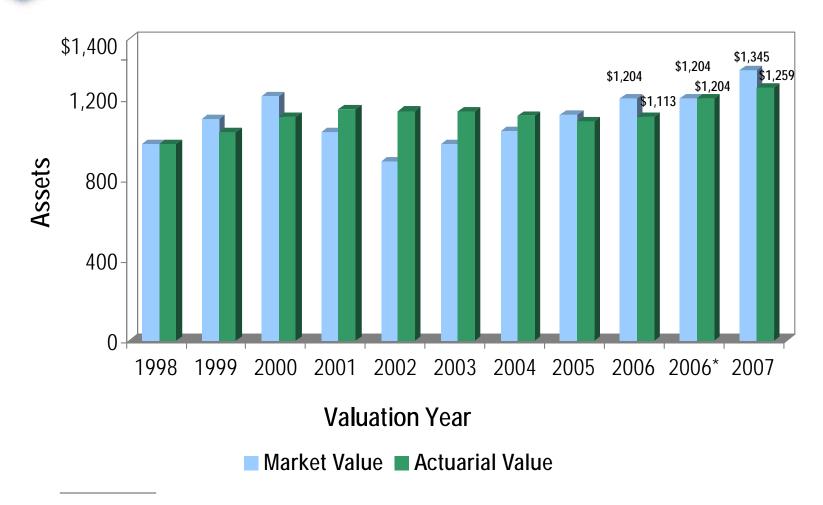
Benefit Payments by Fiscal Year







Growth of Pension Assets

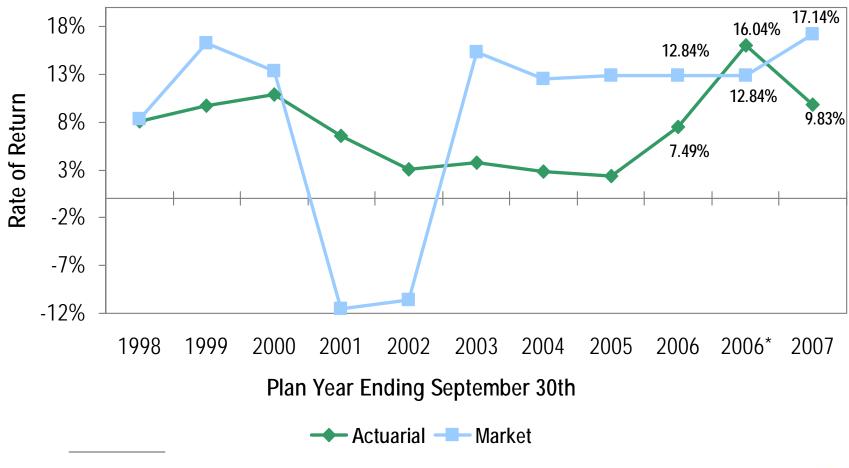


^{*} After adjusting to market value.





Actuarial & Market Net Rates of Return

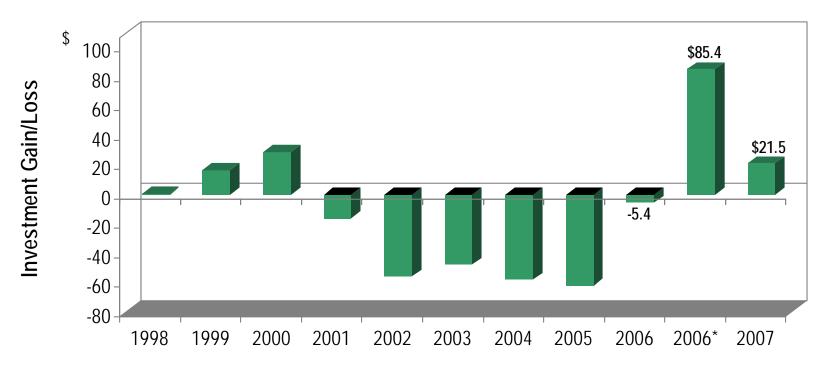


^{*} After adjusting to market value.

GRS



Investment Gain/Loss



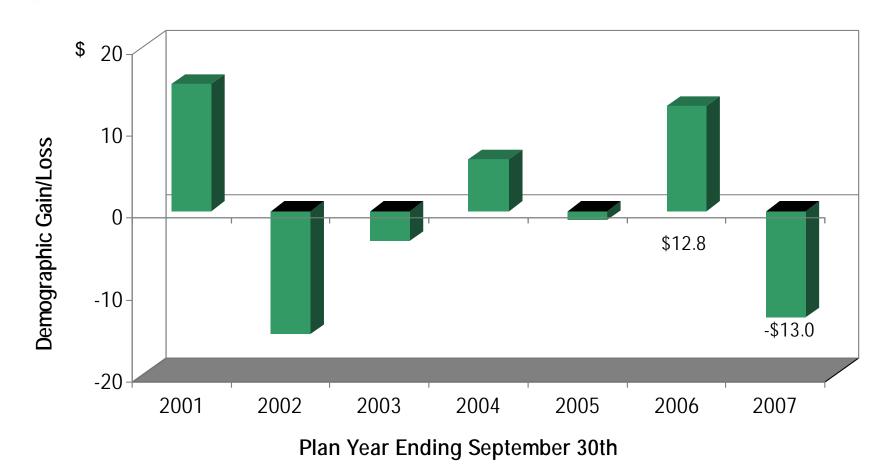
Plan Year Ending September 30th



^{*} After adjusting to market value.



Demographic Gain/Loss







Gain/(Loss) by Type of Activity (Amounts in Millions)

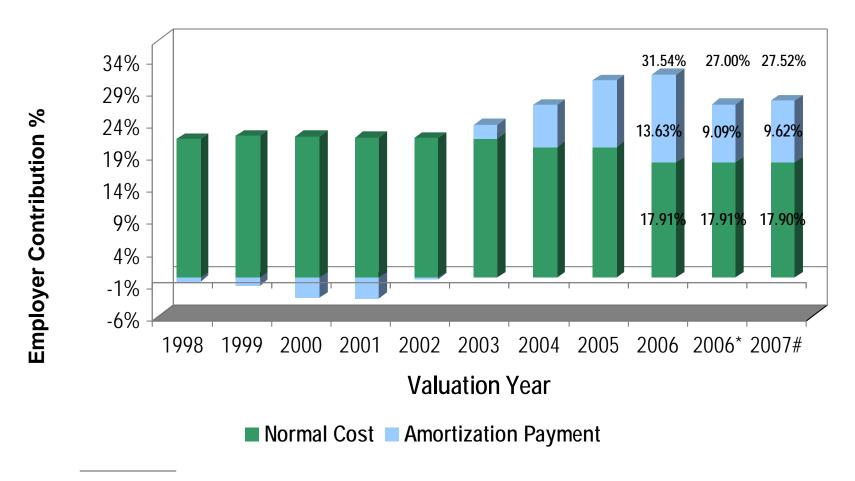
Plan Year

Ending 9/30	2007	2006	2005	2004	2003
New Entrants	0.00	(0.31)	(0.04)	(0.12)	0.00
Retiree Deaths	(3.98)	4.00	0.00	(4.56)	(4.94)
Investments	21.47	(5.38)	(61.57)	(57.68)	(47.61)
Pay Increases	(4.87)	15.19	3.33	(11.94)	11.04
Withdrawal	0.41	0.18	0.06	(0.01)	2.31
Retirements	(2.12)	1.68	(7.01)	5.60	(12.75)
Other	(2.44)	(7.92)	2.54	17.36	0.70
Total	8.47	7.44	(62.69)	(51.35)	(51.25)





Historical Employer Contribution %'s Valuation as of September 30



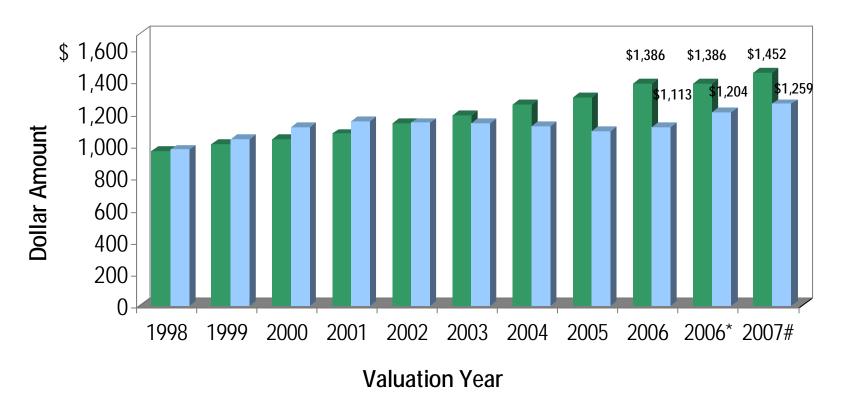
^{*} After adjusting to market value.



[#] Before reflecting Public Act 606 of 2006, the total 2007 rate was 27.11%.



Actuarial Accrued Liability Compared to Actuarial Value of Assets (in millions)

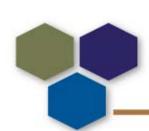


■ Actuarial Accrued Liability (AAL) ■ Actuarial Value of Assets (AVA)

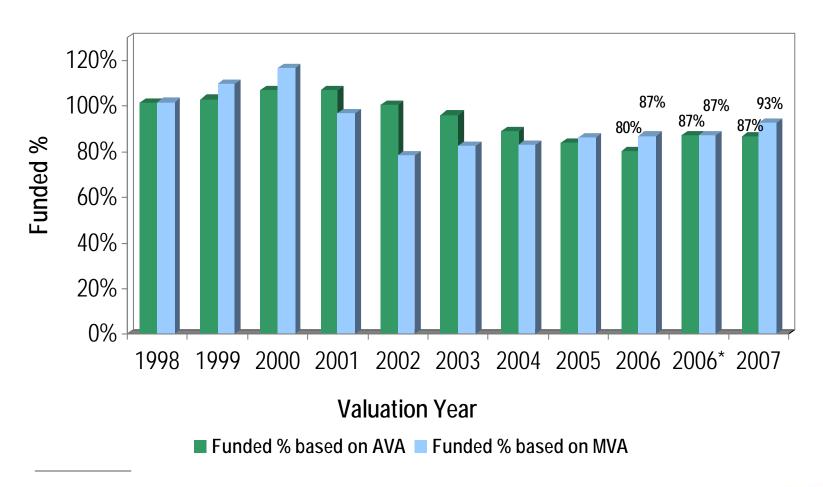


^{*} After adjusting to market value.

[#] Before reflecting Public Act 606 of 2006, the 2007 AAL was \$1,444 million.



Retirement System Funded % Based on Actuarial Value and Market Value of Assets

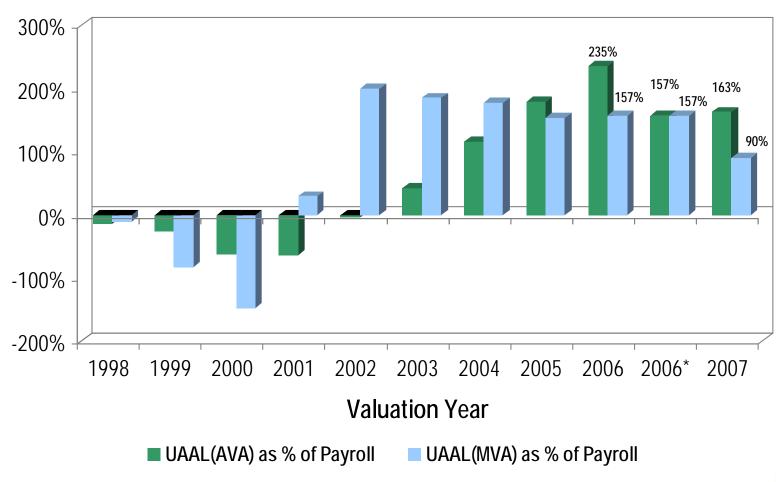


^{*} After adjusting to market value.

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Unfunded as Percentage of Payroll



^{*} After adjusting to market value.





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